



COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION

GROUND WATER DISCHARGE GENERAL PERMIT
For Privately Owned Wastewater Treatment Facilities
That Treat Wastewater From Commercial Carwashes And
The Discharge to the Ground Water of the Effluent
From Those Facilities

Date of Issuance:

Date of Expiration:

AUTHORITY FOR ISSUANCE

Pursuant to authority granted by Chapter 21, Sections 26-53 of the Massachusetts General Laws, as amended, and 314 CMR 5.00, the Massachusetts Department of Environmental Protection (the Department or MassDEP) hereby issues this General Permit to regulate certain privately owned wastewater treatment facilities that treat wastewater solely from commercial carwashes and the discharge to the ground water of the effluent from those facilities. A person granted coverage under the General Permit is a permittee authorized to construct, operate and maintain the covered wastewater treatment facilities and to discharge effluent from said facilities only in accordance with all the terms and conditions of the General Permit. A violation of the terms and conditions set forth herein is a violation of the General Permit, 314 CMR 5.00, and the Massachusetts Clean Waters Act, M.G.L. c. 21, sec. 26-53. MassDEP has also prepared a Fact Sheet for the General Permit. This Fact Sheet is incorporated and made part of the General Permit. The Fact Sheet outlines the factual and legal basis for the General Permit, identifies the types of facilities that are eligible for coverage under the General Permit and the process for requesting coverage under the General Permit.

[NAME & TITLE OF SIGNATURE]

[DATE OF SIGNATURE]

This information is available in alternate format. Call Donald M. Gomes, ADA Coordinator at 617-556-1057. TDD Service - 1-800-298-2207.

MassDEP on the World Wide Web: <http://www.mass.gov/dep>

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I. SPECIAL CONDITIONS

A. **Effluent Limits**

The permittee is authorized to discharge into the ground from the wastewater treatment facilities for which this permit is issued a treated effluent whose characteristics within one month of start-up and continuing thereafter shall not exceed the following values:

Effluent Characteristics

Discharge Limitations

Oil & Grease	15 mg/l
Total Dissolved Solids	1,000 mg/l
Chloride	250 mg/l
Surfactants	1.0 mg/l

- a) The pH of the effluent shall not be less than 6.5 nor greater than 8.5 at any time. If under natural conditions, the pH of the receiving ground water is less than 6.5 or greater than 8.5, the pH of the effluent shall not vary from the naturally occurring pH by more than 0.2 units.
- b) The discharge of the effluent shall not interfere with the use of the ground water as an actual or potential source of drinking water and the use of surface waters for their existing and designated uses. The discharge of effluent shall not cause or contribute to a violation of the Surface Water Quality Standards, 314 CMR 4.00.
- c) The average daily flow shall not exceed the average daily flow specified in the Notice of Intent requesting coverage under the General Permit. When the average daily flow exceeds 80 percent of the flow specified in the Notice of Intent, the permittee shall submit a report to the Department describing what steps the permittee will take in order to keep its average daily flow at or below the flow specified in the Notice of Intent

B. **Monitoring and Reporting**

1. The permittee shall monitor and record the quality and quantity of the effluent from the wastewater treatment facility prior to discharge to the disposal area according to the following schedule and other provisions:

EFFLUENT FROM THE WASTEWATER TREATMENT FACILITY:

<u>Parameter</u>	<u>Minimum Frequency of Analysis</u>	<u>Sample Type</u>
Flow	Daily	Reading-report Max-Min-Avg
pH	Daily	Grab
Total Dissolved Solids	Monthly	Grab
Total Solids	Monthly	Grab
Chlorides	Monthly	Grab
Oil & Grease	Monthly	Grab
Surfactants	Monthly	Grab
Volatile Organic Compounds	Annually	Grab
(US EPA Method #624)		

- 2) At least ninety (90) days prior to the start-up of the wastewater treatment facility, the permittee shall install in accordance with the detailed plans included in the Hydrogeological Report approved by the Department when it issued the authorization to submit a Notice of Intent requesting coverage under the General Permit (the "Hydrogeological Report").

The permittee shall monitor, record and report the quality of water in the monitoring wells installed in accordance with the approved Hydrogeological Report according to the following schedule and other provisions:

<u>Parameter</u>	<u>Frequency of Analysis</u>
pH	Monthly
Static Water Level	Monthly
Specific Conductance	Monthly
Chlorides	Quarterly
Sodium	Quarterly
Surfactants	Quarterly
Volatile Organic Compounds	Annually
(US EPA Method #624)	

- 3) Any grab sample or composite sample required to be taken less frequently than daily shall be taken during the period of Monday through Friday inclusive. All composite samples shall be taken over the operating day.

The permittee shall submit all monitoring reports within thirty (30) days of the last day of the reporting month. Reports shall be on an acceptable form, properly filed and signed and shall be sent to the Regional Office that issues permits for discharges located within the municipality where the permittee's discharge occurs and to the Program Director, Watershed Permitting, Department of Environmental Protection, One Winter Street/5th Floor, Boston, MA 02108.

Submission of monitoring reports in electronic format is available through eDEP and serves as data submission to both the Regional and Boston offices. To register for electronic submission go to:

<http://www.mass.gov/dep/service/compliance/edeponlf.htm>

C. Supplemental Conditions

1. The permittee shall notify the Department at least thirty (30) days in advance of a proposed transfer of ownership of the facility for which this permit is written. Said notification shall include a written agreement between the existing and proposed new permittee containing a specific date for the transfer of the permit, the proposed new permittee's assumption of responsibility for compliance with the permit, and the allocation of liability and responsibility for the financial assurance mechanism. The transfer shall not take effect until it is approved by the Department in accordance with 314 CMR 5.12(3).

2. An operation and maintenance plan and staffing plan for the wastewater treatment facility, including without limitation the sewer system, pump stations and disposal fields, shall be submitted to the Department for its review and approval at least ninety (90) days prior to the operation of the treatment works or forty-five (45) days before the permit takes effect, whichever last occurs.

3. If the facility is constructed after coverage under the General Permit is granted, an Engineering Report and as-built plans for the wastewater treatment facility also shall be submitted to the Department at least ninety (90) days prior to the operation of the facility. These submissions shall be prepared in accordance with the Department's Guidelines by a Massachusetts Registered Professional Engineer with a concentration in civil, sanitary, or environmental engineering and accompanied by a certification from the Engineer that the wastewater treatment facility has been constructed in accordance with the as-built plans and Engineering Report and that the wastewater treatment facility, if operated and maintained in accordance with the operations and maintenance plan, the staffing plan, the General Permit, 314 CMR 5.00, and 314 CMR 12.00, shall be able to meet all the

terms and conditions of the General Permit, including without limitation, the effluent limits set forth therein.

4. If the facility is constructed after coverage is granted under the General Permit, the permittee shall not operate the facility, unless and until the Department has inspected the facility and authorized operation of the facility in writing.

5. A revised staffing plan shall be submitted to the Department for its review and approval on or before January 31st of every other year or whenever there are staffing changes. A revised operations and maintenance plan and revised as-built plans shall be submitted to the Department whenever there are significant modifications to the wastewater treatment facility.

6. The permittee shall operate and maintain the wastewater treatment facility in accordance with the operations and maintenance plan and the staffing plan approved by the Department.

7. The facility does not treat any wastewater other than that produced on the premises of the commercial car wash.

8. At least ninety (90) days before entering into a contract with an independent contractor (the contract operator) for the operation and maintenance of the treatment works, the permittee shall submit a draft unsigned copy of the contract to the Department for its review and approval.

9. All tests or analytical determinations to determine compliance with permit standards and requirements shall be done using tests and procedures found in the most recent version of *Standard Methods for the Examination of Water and Wastewater*.

10. The permittee shall notify the Department, in writing, within thirty (30) days of any of the following events:

- i. The date the wastewater treatment facility starts operation;
- ii. Any interruption of the operation of the wastewater treatment facility other than routine maintenance; and
- iii. Final shutdown of the wastewater treatment facility.

11. The permittee shall contract to have any and all solids and sludges generated by the wastewater treatment facility for which this permit is issued removed off site by a properly licensed waste hauler for disposal at an EPA/DEP approved facility. The name and license number of the hauler along with the schedule for the removal shall be reported by the permittee in writing to the Department at least thirty (30) days prior to the start-up of the wastewater treatment facility for new facilities or at least thirty (30) days prior to the start of

any new contract for the removal of solids and sludges for existing facilities.

12. The General Permit is in effect for a period of five years from the date of issuance

13. At least sixty (60) days prior to the expiration of the General Permit, the permittee shall file a Notice of Intent requesting continued coverage under the General Permit or file an application for an individual permit.

D. Special Conditions for Required Financial Assurance Mechanism

1. The permittee shall establish and maintain a financial assurance mechanism that provides for the availability of an immediate repair and replacement account to be used by the permittee solely for the immediate repair and replacement of any failing components of the wastewater treatment facility in accordance with 314 CMR 5.10(7A) and 314 CMR 5.15. The permittee shall deposit at least 15% of the estimated construction cost of the facility into an interest bearing escrow account in accordance with the financial assurance mechanism. For purpose of the financial assurance mechanism requirements, the estimated construction cost of the wastewater treatment facility shall include the cost of constructing the wastewater treatment plant, collection system and associated mechanical equipment, but not including the land, ground and disposal area.

2. The permittee shall meet the obligation to establish the required financial assurance mechanism by using the Department approved form. The permittee shall submit the completed form document evidencing the establishment of the required financial assurance mechanism to the Department for its review and approval prior to execution and thereafter maintain this document as approved by the Department. The permittee shall perform all its obligations under the required financial assurance mechanism as approved by the Department. The permittee shall replenish the account within ninety (90) days of any disbursement

3. Except as otherwise provided herein, the financial assurance mechanism required by this General Permit, 314 CMR 5.10(7A) and 314 CMR 5.15 shall be approved by the Department and in effect on the date coverage under the General Permit is granted by the Department. A permittee that constructs the wastewater treatment facility after coverage is granted under the General Permit may submit the financial assurance mechanism to the Department for its review and approval no later than ninety (90) days prior to the

start-up of the facility. Such a permittee shall not operate the facility unless and until the Department has approved the required financial assurance mechanism, the financial assurance mechanism is in full force and effect, and the permittee has made all contributions required prior to the start-up of the facility.

4. On or before January 31st of each year, the permittee shall submit to the Department an annual financial report identifying the initial and current balances in the immediate repair and replacement account. Said report shall be prepared in accordance with generally accepted accounting principles and confirm the availability of the funds in said account for the purposes specified in the permit, 314 CMR 5.10(7A) and 314 CMR 5.15. Reports pertaining to the required financial assurance mechanism shall be sent to the Program Director Watershed Permitting, Department of Environmental Protection, One Winter Street, 5th Floor, Boston, MA 02108.

The General Permit Conditions set forth in 314 CMR 5.19 are hereby incorporated and made part of the General Permit